

# STAFFORD COUNTY SCHOOL BOARD

## Agenda Consideration

**TOPIC:** Approval of Purchase: School  
Network Cable Replacements

**ITEM NO:** 3D

**PREPARED BY:** Andrea Bengier, Assistant Superintendent for  
Instruction and Technology

**MEETING:** November 9, 2004

**ACTION DATE:** November 9, 2004

Dave Mirra, Director of Instructional  
Technology and Information Services

Jay Cooke, Network Services Supervisor

Mike Ballard, Technology Supervisor

---

**ACTION REQUESTED BY THE SUPERINTENDENT:** That the Stafford County School Board approve the replacement of all network cabling at Hartwood Elementary School by DATACOM Connections, Incorporated of Woodbridge, VA. Total estimated cost of this replacement will be \$34,581.00.

---

### KEY POINTS:

- As part of the Stafford County Integrated Technology Plan 's (2004 - 2010) Cyclic Technology Replacement Program, the computers at Hartwood Elementary School were slated for replacement during the November/December 2004 timeframe.
- During the initial site inspection of Hartwood, the network cabling structure was found to violate current industry standards for high speed data networks. Specific problems include:
  - Fiber optic cables kinked and bent;
  - Unserviceable patch panel locations above the ceiling panels;
  - Devices sitting directly on top of acoustic ceiling tiles without fixed mounts;
  - Excessive wiring closets requiring consolidation.
- The problems noted negatively impact both the speed and reliability of the network, and unless corrected, will cause more problems when the new computers are installed.
- In addition, Hartwood has, due to enrollment growth, found it necessary to change the location of their computer lab. This requires that approximately thirty network connections be installed in the new laboratory location.
- The work package includes removal and disposal of the existing wiring and fiber optic cabling, consolidation of existing wire closets into a modern, more maintainable design, and installation and testing of the new cabling.
- The project will be done by DATACOM Connections, Inc. under their GSA Contract Number GS35F0291N.
- Funding for the elementary upgrades is provided under the Technology Infrastructure funding line.

### SCHOOL BOARD GOALS:

2. Integrate technology in support of all instruction.
- 5: Provide facilities that promote student learning and community support.

### FUNDING SOURCE:

<u>Contractor/Vendor</u>	<u>Funding Source (General Funds)</u>	<u>Amount</u>
DATACOM Connections, Inc	Technology Infrastructure	\$34,581.00

**AUTHORIZATION REFERENCE:** Stafford County Public Schools Integrated Technology Plan (2004-2010)